

## RESPONSIVE TO RECEIPT OF Λ PARAMETERS AND SERVICE LEVEL PARAMETERS 905

DETERMINE THE NUMBER OF SERVICE LEVELS 910

FIG. 9

FOR EACH LINK TO AN ADJACENT NODE, CLASSIFY AS BY SERVICE LEVEL PARAMETERS TO FROM LINK SERVICE LEVEL CHANNEL SETS 915

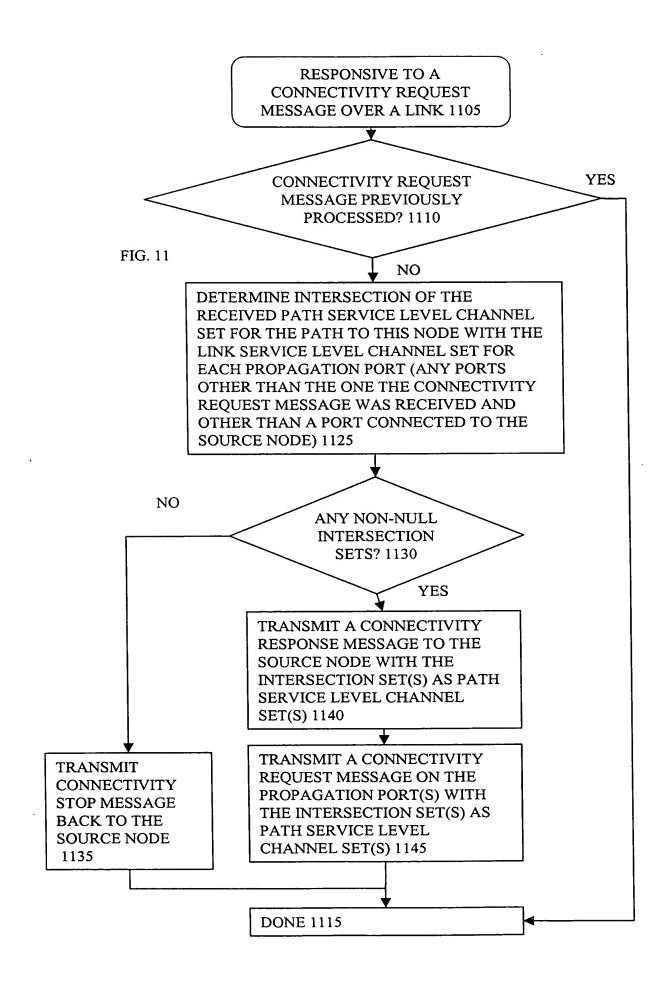
FOR EACH SERVICE LEVEL, INITIATE A SERVICE LEVEL TOPOLOGY BUILD UP 920

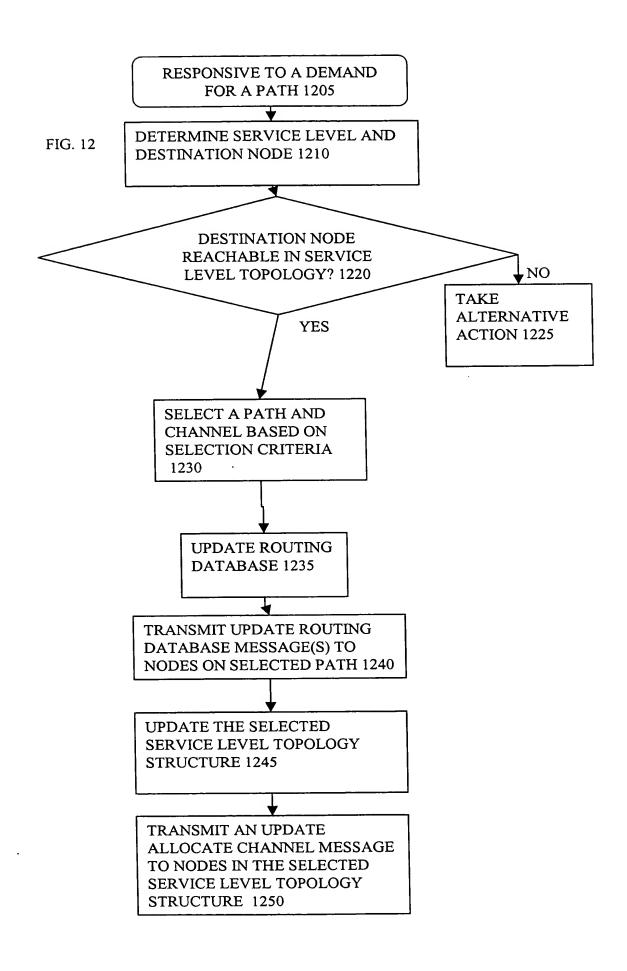
INSTANTIATE A SERVICE LEVEL TOPOLOGY STRUCTURE AND POPULATE WITH ANY QUALIFYING ADJACENT NODES (ADJACENT NODES FOR WHICH THIS SOURCE NODE HAS ANY NON-NULL LINK SERVICE LEVEL CHANNEL SETS AT THIS SERVICE LEVEL) 1005

FIG. 10

TRANSMIT CONNECTIVITY REQUEST MESSAGE(S) TO QUALIFYING ADJACENT NODE(S) 1010

RESPONSIVE TO CONNECTIVITY RESPONSE MESSAGES(S), UPDATE THE SERVICE LEVEL TOPOLOGY STRUCTURE 1015

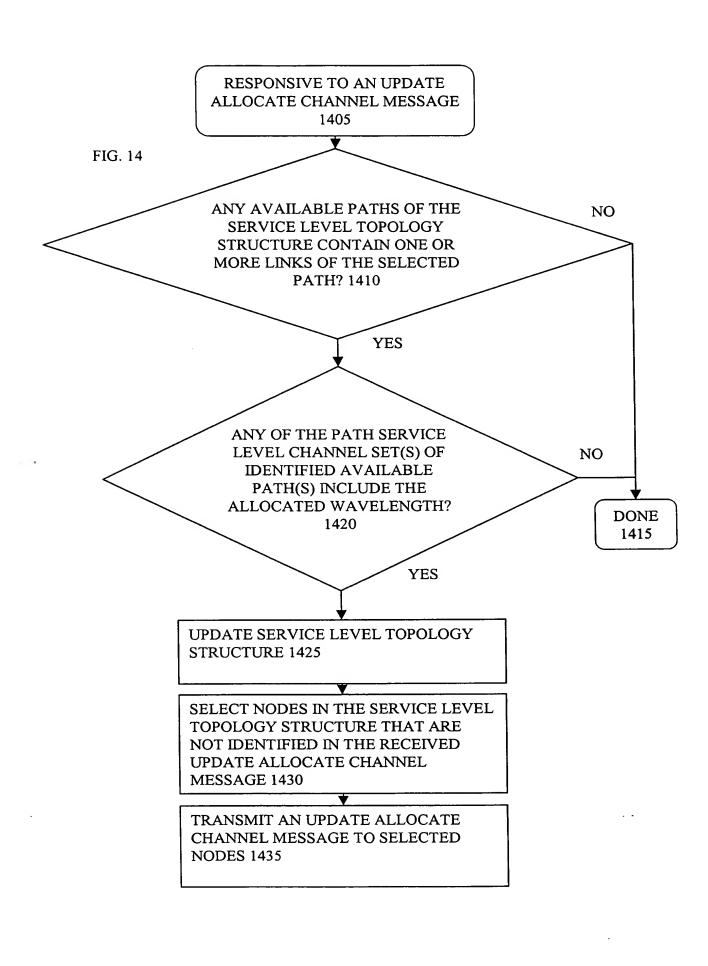


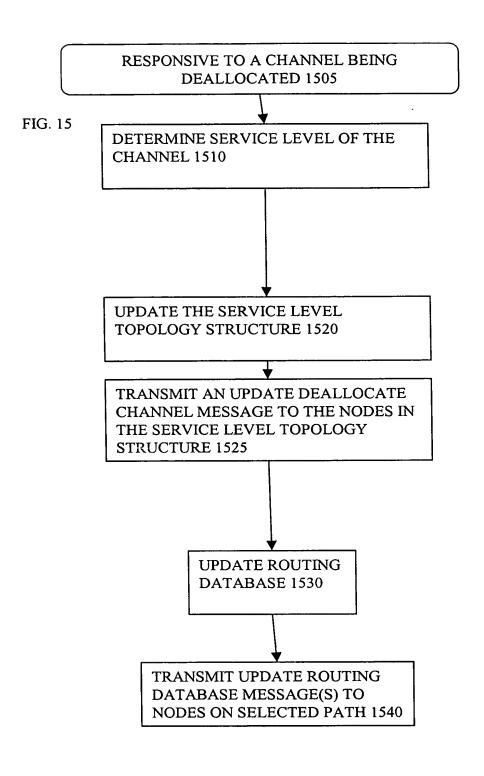


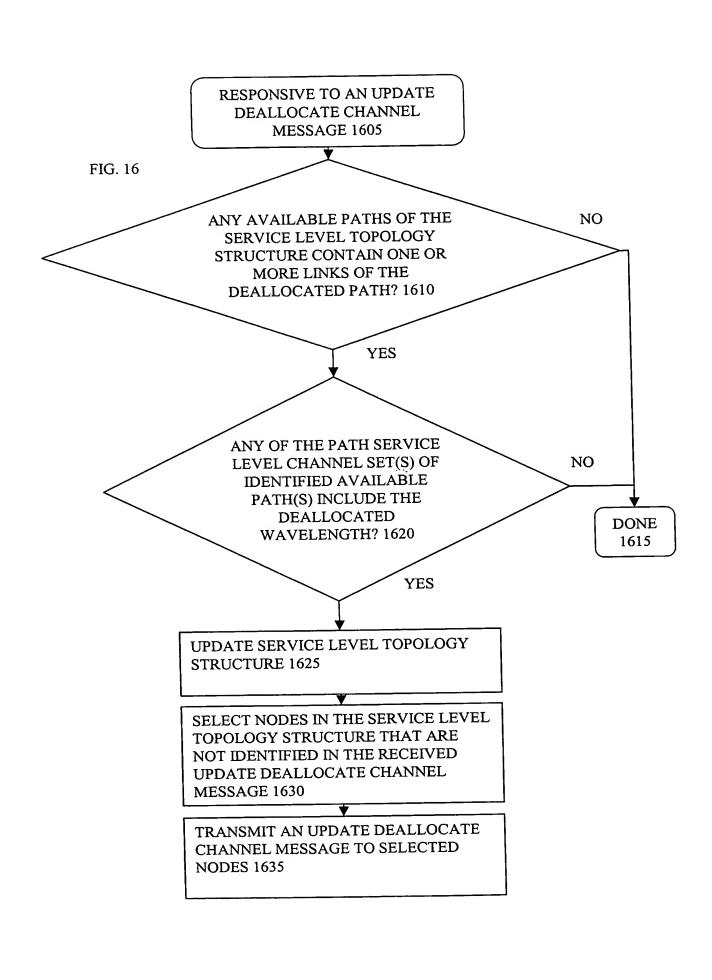
## RESPONSIVE TO AN UPDATE ROUTING DATABASE MESSAGE 1305

FIG. 13

UPDATE ROUTING DATABASE 1310







RESPONSIVE TO A CHANNEL BEING ADDED OR A CHANNEL WITHOUT LIVE TRAFFIC BEING REMOVED 1705

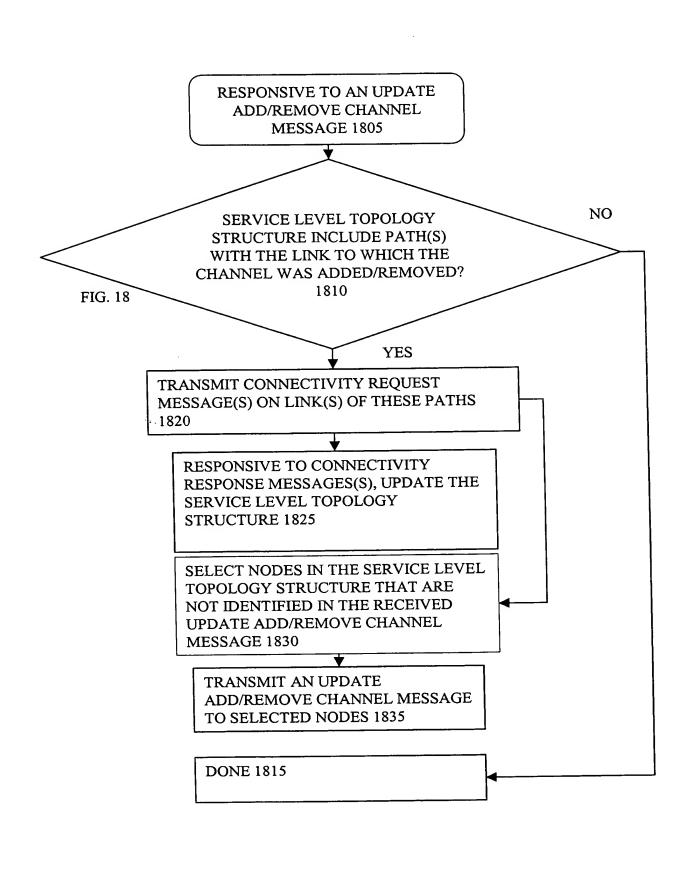
FIG. 17

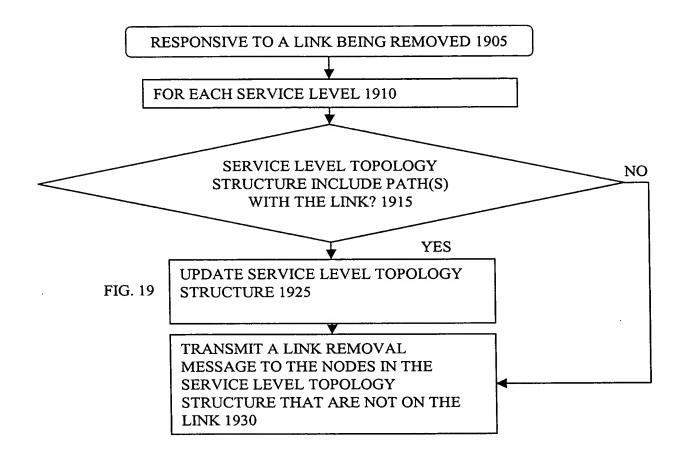
DETERMINE SERVICE LEVEL OF THE CHANNEL 1710

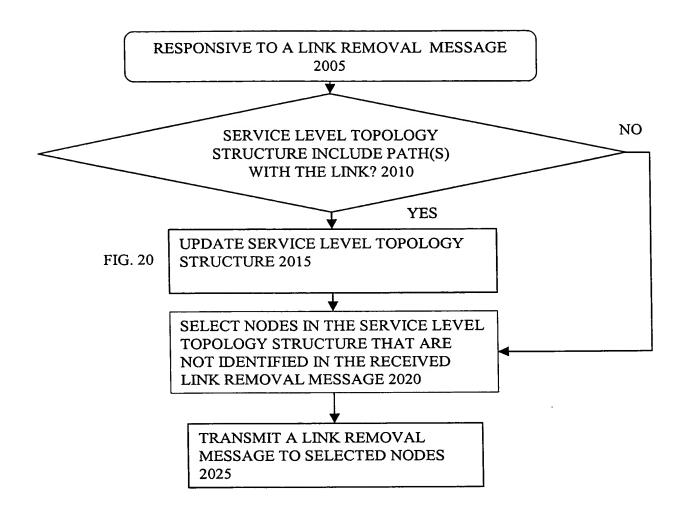
TRANSMIT CONNECTIVITY REQUEST MESSAGE ON THE LINK WITH THE CHANNEL 1715

RESPONSIVE TO CONNECTIVITY RESPONSE MESSAGES(S), UPDATE THE SERVICE LEVEL TOPOLOGY STRUCTURE 1720

TRANSMIT AN UPDATE ADD/REMOVE CHANNEL MESSAGE TO THE NODES IN THE SERVICE LEVEL TOPOLOGY STRUCTURE THAT ARE NOT ON THE LINK WITH THE CHANNEL 1725







## **RESPONSIVE TO A LINK BEING ADDED 2105**

FOR THE ADDED LINK, CLASSIFY AS BY SERVICE LEVEL PARAMETERS TO FROM LINK SERVICE LEVEL CHANNEL SETS 2107

FOR EACH SERVICE LEVEL 2110

FIG. 21

TRANSMIT CONNECTIVITY REQUEST MESSAGE(S) TO QUALIFYING ADJACENT NODE(S) 2115

UPDATE THE SERVICE LEVEL TOPOLOGY STRUCTURE 2120

TRANSMIT A LINK ADDITION MESSAGE TO NODES IN THE SELECTED SERVICE LEVEL TOPOLOGY STRUCTURE 2125

## RESPONSIVE TO A LINK ADDITION MESSAGE 2205

TRANSMIT CONNECTIVITY REQUEST MESSAGE(S) TO QUALIFYING ADJACENT NODE(S) 2210

FIG. 22

RESPONSIVE TO CONNECTIVITY RESPONSE MESSAGES(S), UPDATE THE SERVICE LEVEL TOPOLOGY STRUCTURE 2215

SELECT NODES IN THE SERVICE LEVEL TOPOLOGY STRUCTURE THAT ARE NOT IDENTIFIED IN THE RECEIVED LINK ADDITION MESSAGE 2220

TRANSMIT A LINK ADDITION MESSAGE TO SELECTED NODES 2225

